

**Flood Control Project Maintenance
Levee Inspections**

Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD2064	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 2064 River Junction	U	11.65						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	2.46		2.46	21.13%				
Encroachments					0.01			
Animal Control	0.01		0.01	0.09%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.25	0.01		
<i>LMA Totals:</i>	2.47	0.00	2.47	21.21%	0.26	0.01	0.00	0.00
Unit No. 01 San Joaquin River RB	Overall Unit Rating	Total Unit Miles						
RD2064	A	5.56						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					0.01			
Animal Control	0.01		0.01	0.18%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.14	0.01		
<i>Unit Totals:</i>	0.01	0.00	0.01	0.18%	0.15	0.01	0.00	0.00
Unit No. 02 Stanislaus River RB	Overall Unit Rating	Total Unit Miles						
RD2064	U	6.08						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	2.46		2.46	40.43%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.11			
<i>Unit Totals:</i>	2.46	0.00	2.46	40.43%	0.11	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2016 Levee Inspection Results

Reclamation District No. 2064 River Junction

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

Reclamation District No. 2064 River Junction

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Right	5.56
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/23/2016 - 3/23/2016		9/19/2016 - 9/19/2016	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By	Daniel deGraaf MCR Engineering		Keith Veltkamp Veltkamp bros. Construction	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	09/19/2016 09/19/2016	Herman Phillips

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			°	
				°	
DWR ID	DWR_RD2064_01_f_2014_6				
Comment Code					
Inspector Comment					
District 2064 has the O&M Manual on hand.					

No Photos

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			°	
				°	
DWR ID	DWR_RD2064_01_f_2014_7				
Comment Code					
Inspector Comment					
District has an adequate supply of flood fight materials in storage.					

No Photos

LM Start		Rating **	A	Issue No.	8
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			°	
				°	
DWR ID	DWR_RD2064_01_f_2014_8				
Comment Code					
Inspector Comment					
District 2064 has been trained for flood fighting.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	09/19/2016 09/19/2016	Herman Phillips

LM Start	0.04	Rating **	A	Issue No.	19
LM End	5.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.709986 °	37.667210 °
				-121.267545 °	-121.241020 °
DWR ID	DWR_RD2064_01_f_2016_19				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2016_RD2064_313_19_20161102_00036.jpg



RD 2064 Looking downstream from levee mile 0.04 Unit 1 landside.

LM Start	0.06	Rating **	M	Issue No.	29
LM End	0.06	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.709725 °	37.709725 °
				-121.267534 °	-121.267534 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:18718 DS_ID:20512 EP_NO: 13907 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe has less than 1-foot of cover. FIELD_STRUCT_DESC: 1 of 3: 24-inch stormdrain discharge pipe through the levee 2.0 feet below the crown (Permit No. 13907, 1985). Two 100-horsepower and one 75-horsepower pumps on landward toe of levee. Siphon breaker on WS shoulder. FS Date: 8/27/2013					

Photo 1 of 2 : UCIP_FA_2016_18718_31286.jpg



Steel storm drain pipe with pump on pier in background.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	09/19/2016 09/19/2016	Herman Phillips

LM Start	0.06	Rating **	M	Issue No.	29 (cont)	
LM End	0.06	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.709725 °	37.709725 °	
				-121.267534 °	-121.267534 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:18718 DS_ID:20512 EP_NO: 13907 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe has less than 1-foot of cover. FIELD_STRUCT_DESC: 1 of 3: 24-inch stormdrain discharge pipe through the levee 2.0 feet below the crown (Permit No. 13907, 1985). Two 100-horsepower and one 75-horsepower pumps on landward toe of levee. Siphon breaker on WS shoulder. FS Date: 8/27/2013						

Photo 2 of 2 : UCIP_FA_2016_18718_31285.jpg



Pipe and siphon breaker visible on WS shoulder.

LM Start	0.06	Rating **	M	Issue No.	36
LM End	0.06	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.709698 °	37.709698 °
				-121.267536 °	-121.267536 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22729 DS_ID:20527 EP_NO: 13907 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe has less than 1-foot of cover. FIELD_STRUCT_DESC: 2 of 3: 24-inch steel stormdrain discharge pipe through the levee 2.0 feet below the crown (Permit No. 13907, 1985). Two 100-horsepower and one 75-horsepower pumps on pier at landward toe of levee. Siphon breaker on WS shoulder. FS Date: 8/27/2013					

Photo 1 of 2 : UCIP_FA_2016_22729_38458.jpg



Pipe visible on LS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	09/19/2016 09/19/2016	Herman Phillips

LM Start	0.06	Rating **	M	Issue No.	36 (cont)	
LM End	0.06	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.709698 °	37.709698 °	
				-121.267536 °	-121.267536 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:22729 DS_ID:20527 EP_NO: 13907 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe has less than 1-foot of cover. FIELD_STRUCT_DESC: 2 of 3: 24-inch steel stormdrain discharge pipe through the levee 2.0 feet below the crown (Permit No. 13907, 1985). Two 100-horsepower and one 75-horsepower pumps on pier at landward toe of levee. Siphon breaker on WS shoulder. FS Date: 8/27/2013						

Photo 2 of 2 : UCIP_FA_2016_22729_38457.jpg



Pipe and siphon breaker on WS shoulder.

LM Start	0.06	Rating **	M	Issue No.	30
LM End	0.06	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.709672 °	37.709672 °
				-121.267532 °	-121.267532 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:18720 DS_ID:20528 EP_NO: 13907 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe has less than 1-foot of cover. FIELD_STRUCT_DESC: 3 of 3: 24-inch steel stormdrain discharge pipe through the levee 1.0-foot below the crown (Permit No. 13907, 1985). Two 100-horsepower and one 75-horsepower pumps on landward toe of levee. Siphon breaker on WS shoulder. FS Date: 8/27/2013					

Photo 1 of 2 : UCIP_FA_2016_18720_31294.jpg



Steel pipe visible on LS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	09/19/2016 09/19/2016	Herman Phillips

LM Start	0.06	Rating **	M	Issue No.	30 (cont)
LM End	0.06	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.709672 °	37.709672 °
				-121.267532 °	-121.267532 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:18720 DS_ID:20528 EP_NO: 13907 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe has less than 1-foot of cover. FIELD_STRUCT_DESC: 3 of 3: 24-inch steel stormdrain discharge pipe through the levee 1.0-foot below the crown (Permit No. 13907, 1985). Two 100-horsepower and one 75-horsepower pumps on landward toe of levee. Siphon breaker on WS shoulder. FS Date: 8/27/2013					

Photo 2 of 2 : UCIP_FA_2016_18720_31293.jpg



Siphon breaker visible on WS shoulder.

LM Start	0.51	Rating **	A	Issue No.	20
LM End	5.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.704590 °	37.667210 °
				-121.271305 °	-121.241020 °
DWR ID	DWR_RD2064_01_f_2016_20				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	09/19/2016 09/19/2016	Herman Phillips

LM Start	0.90	Rating **	M	Issue No.	21
LM End	0.90	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.699402 °	37.699402 °
				-121.273418 °	-121.273418 °
DWR ID	DWR_RD2064_01_f_2016_21				
Comment Code					
GA : Garbage					
Inspector Comment					
Garbage on the waterside need to be removed.					

Photo 1 of 1 : FA_2016_RD2064_313_21_20161102_00037.jpg



RD 2064 LOOKING DOWNSTREAM FROM LEVEE MILE 0.90.

LM Start	1.23	Rating **	M	Issue No.	41
LM End	1.23	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.695529 °	37.695529 °
				-121.270005 °	-121.270005 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40792					
DS_ID:20533					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pump and slant pipe missing from structure on WS slope.					
FIELD_STRUCT_DESC: 12-inch steel concrete encased irrigation pipe through the levee 13.0 feet below the crown, slant pump on the WS toe. Slide gate in 36-inch CMP riser on the WS shoulder. 6'X6' concrete distribution box and filter plant on LS toe. 2-inch galvanized iron electrical conduit at same location. Originally included in the 1968 O&M manual.					
FS Date: 8/27/2013					

Photo 1 of 2 : UCIP_FA_2016_40792_31377.jpg



Slide gate in CMP riser on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	09/19/2016 09/19/2016	Herman Phillips

LM Start	1.23	Rating **	M	Issue No.	41 (cont)	
LM End	1.23	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.695529 °	37.695529 °	
				-121.270005 °	-121.270005 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40792						
DS_ID:20533						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pump and slant pipe missing from structure on WS slope.						
FIELD_STRUCT_DESC: 12-inch steel concrete encased irrigation pipe through the levee 13.0 feet below the crown, slant pump on the WS toe. Slide gate in 36-inch CMP riser on the WS shoulder. 6'X6' concrete distribution box and filter plant on LS toe. 2-inch galvanized iron electrical conduit at same location. Originally included in the 1968 O&M manual.						
FS Date: 8/27/2013						

Photo 2 of 2 : UCIP_FA_2016_40792_31376.jpg



Concrete distribution box and filter plant on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	09/19/2016 09/19/2016	Herman Phillips

LM Start	1.23	Rating **	U	Issue No.	42
LM End	1.23	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.695506 °	37.695506 °
				-121.269995 °	-121.269995 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50998
DS_ID:20524
EP_NO: 3739
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 11/16/2016 same as last inspection leak has created sink hole near concrete distribution box located on the LS. Hole in pipe is visible at sink hole. Need to contact owner to address leak on LS. Recommend an internal inspection be completed for the pipe through the levee to determine pipe integrity. (O. Magana - DWR UCIP)08/27/2013 Some leakage at connection between pipe and distro box on LS toe. This may indicate internal failure of pipe. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee, 10.75 feet below the crown. 2-inch galvanized iron electrical conduit at same location. Slant pump is located on the waterside (WS) toe. Slide gate in 36-inch corrugated metal pipe (CMP) riser is located on the WS shoulder. 6-foot by 6-foot concrete distribution box and filter plant are located on landside (LS) toe. (16-inch pipe authorized under Permit No. 3739, 1961 - Mortensen & Barker)
FS Date: 11/16/2016

LM Start	1.23	Rating **	U	Issue No.	42 (cont)
LM End	1.23	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_50998_38462.jpg



Slant pump on WS toe. Slide gate in 36-inch CMP riser on WS shoulder.

Photo 2 of 2 : UCIP_FA_2016_50998_38461.jpg



Concrete distribution box on LS toe with filter plant.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	09/19/2016 09/19/2016	Herman Phillips

LM Start	1.94	Rating **	M	Issue No.	28
LM End	1.94	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.689900 °	37.689900 °
				-121.264802 °	-121.264802 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:18763					
DS_ID:20515					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Culvert filled nearly to the top with soil.					
FIELD_STRUCT_DESC: 30-inch square reinforced concrete stormdrain					
box culvert through the levee 14.7-feet below the crown. Slide gate in					
concrete riser unit on the waterward slope. Concrete "U" shaped					
headwalls on both ends. Flap gate on the waterward end. Originally					
included in the 1968 O&M manual.					
FS Date: 8/27/2013					

Photo 1 of 2 : UCIP_FA_2016_18763_31402.jpg



Slide gate in Concrete riser on WS shoulder.

LM Start	1.94	Rating **	M	Issue No.	28 (cont)
LM End	1.94	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_FA_2016_18763_31401.jpg



Concrete U-shaped headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	09/19/2016 09/19/2016	Herman Phillips

LM Start	3.46	Rating **	M	Issue No.	37
LM End	3.46	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.676751 °	37.676751 °
				-121.264193 °	-121.264193 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22731 DS_ID:20517 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Neet to verify status of pipeline. FIELD_STRUCT_DESC: Underground gas line crossing; depth through the levee and size unknown. Found possible sign posts on WS toe. FS Date: 8/27/2013					

Photo 1 of 1 : UCIP_FA_2016_22731_38463.jpg



Possible sign posts on WS toe.

LM Start	3.49	Rating **	M	Issue No.	31
LM End	3.49	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.676276 °	37.676276 °
				-121.264104 °	-121.264104 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22085 DS_ID:24059 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to identify purpose or permit for this crossing. FIELD_STRUCT_DESC: 1 of 2: 4-inch galvanized iron conduit through the levee at unknown depth below the crown. Visible on downstream side of the bridge. 3.5-foot by 6-foot steel vault on crown. FS Date: 8/27/2013					

Photo 1 of 1 : UCIP_FA_2016_22085_37702.jpg



Upper conduit visible on DS side of bridge.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	09/19/2016 09/19/2016	Herman Phillips

LM Start	3.49	Rating **	M	Issue No.	40
LM End	3.49	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.676276 °	37.676276 °
				-121.264104 °	-121.264104 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22790 DS_ID:24060 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to identify purpose or permit for this crossing. FIELD_STRUCT_DESC: 2 of 2: 4-inch galvanized iron conduit through the levee at unknown depth below the crown. Visible on downstream side of the bridge. 3.5-foot by 6-foot steel vault on crown. FS Date: 8/27/2013					

Photo 1 of 1 : UCIP_FA_2016_22790_38826.jpg



Lower conduit visible on DS side of bridge at WS slope.

LM Start	3.57	Rating **	M	Issue No.	32
LM End	3.57	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.675267 °	37.675267 °
				-121.263426 °	-121.263426 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19044 DS_ID:20519 EP_NO: 6450 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel discharge pipe through the levee 2-feet below the crown. Crown roadway padded over the pipe. Pipe exposed on both slopes. Gate valve on the LS toe. Pump missing from sump with sheet pile siding in ditch on the landside. Siphon breaker on the waterward side (Permit No. 6450, 1969). FS Date: 8/27/2013					

Photo 1 of 2 : UCIP_FA_2016_19044_31844.jpg



Pipe and gate valve on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	09/19/2016 09/19/2016	Herman Phillips

LM Start	3.57	Rating **	M	Issue No.	32 (cont)	
LM End	3.57	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.675267 °		37.675267 °
				-121.263426 °		-121.263426 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:19044 DS_ID:20519 EP_NO: 6450 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel discharge pipe through the levee 2-feet below the crown. Crown roadway padded over the pipe. Pipe exposed on both slopes. Gate valve on the LS toe. Pump missing from sump with sheet pile siding in ditch on the landside. Siphon breaker on the waterward side (Permit No. 6450, 1969). FS Date: 8/27/2013						

Photo 2 of 2 : UCIP_FA_2016_19044_31843.jpg



Pipe visible at sump off LS toe. No pump or appurtenances.

LM Start	3.57	Rating **	M	Issue No.	38
LM End	3.57	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.675266 °	37.675266 °
				-121.263421 °	-121.263421 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22732					
DS_ID:20525					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to determine if pipe was actually removed from levee.					
FIELD_STRUCT_DESC: 12-inch steel stormdrain pipe through the levee at unknown depth below the crown. Steel plate welded over LS end at LS toe. Permit No. 6450, states it was removed in 1973, but it remains visible on the LS toe. Originally included in the 1968 O&M manual.					
FS Date: 8/27/2013					

Photo 1 of 2 : UCIP_FA_2016_22732_38465.jpg



Pipe visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	09/19/2016 09/19/2016	Herman Phillips

LM Start	3.57	Rating **	M	Issue No.	38 (cont)	
LM End	3.57	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.675266 °	37.675266 °	
				-121.263421 °	-121.263421 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:22732 DS_ID:20525 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine if pipe was actually removed from levee. FIELD_STRUCT_DESC: 12-inch steel stormdrain pipe through the levee at unknown depth below the crown. Steel plate welded over LS end at LS toe. Permit No. 6450, states it was removed in 1973, but it remains visible on the LS toe. Originally included in the 1968 O&M manual. FS Date: 8/27/2013						

Photo 2 of 2 : UCIP_FA_2016_22732_38464.jpg



Pipe with welded steel plate over LS end at LS toe.

LM Start	3.57	Rating **	M	Issue No.	39
LM End	3.57	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.675247 °	37.675247 °
				-121.263398 °	-121.263398 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22733					
DS_ID:20522					
EP_NO: 13609					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Appears abandoned and should be done so properly. Pipe was to be removed in 1984.					
FIELD_STRUCT_DESC: *ABANDONED* 1 of 2: 24-inch steel discharge pipe through the levee 2-feet below the crown (Permit No. 13609, 1983). Approx. 420 feet upstream of Durham Ferry-Airport Way Road.					
FS Date: 8/27/2013					

Photo 1 of 2 : UCIP_FA_2016_22733_38468.jpg



Pipe and vent visible on LS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	09/19/2016 09/19/2016	Herman Phillips

LM Start	3.57	Rating **	M	Issue No.	39 (cont)	
LM End	3.57	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.675247 °	37.675247 °	
				-121.263398 °	-121.263398 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:22733 DS_ID:20522 EP_NO: 13609 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and should be done so properly. Pipe was to be removed in 1984. FIELD_STRUCT_DESC: *ABANDONED* 1 of 2: 24-inch steel discharge pipe through the levee 2-feet below the crown (Permit No. 13609, 1983). Approx. 420 feet upstream of Durham Ferry-Airport Way Road. FS Date: 8/27/2013						

Photo 2 of 2 : UCIP_FA_2016_22733_38467.jpg



Pipe visible on WS slope.

LM Start	3.60	Rating **	M	Issue No.	33
LM End	3.60	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.675005 °	37.675005 °
				-121.263103 °	-121.263103 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19046 DS_ID:20534 EP_NO: 13609 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipes should be abandoned properly. FIELD_STRUCT_DESC: 2 of 2: *REMOVED* 24-inch steel pipe through levee 12.67 feet below crown (Permit No. 13609, 1983). Approx. 75 feet upstream of first 24-inch pipe. According to notes in permit, Concrete rubble was placed over pipe on WS slope. FS Date: 8/27/2013					

Photo 1 of 2 : UCIP_FA_2016_19046_31849.jpg



Concrete rubble on WS slope possible indicator of abandoned pipe location.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	09/19/2016 09/19/2016	Herman Phillips

LM Start	3.60	Rating **	M	Issue No.	33 (cont)	
LM End	3.60	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.675005 °	37.675005 °	
				-121.263103 °	-121.263103 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:19046 DS_ID:20534 EP_NO: 13609 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipes should be abandoned properly. FIELD_STRUCT_DESC: 2 of 2: *REMOVED* 24-inch steel pipe through levee 12.67 feet below crown (Permit No. 13609, 1983). Approx. 75 feet upstream of first 24-inch pipe. According to notes in permit, Concrete rubble was placed over pipe on WS slope. FS Date: 8/27/2013						

Photo 2 of 2 : UCIP_FA_2016_19046_31848.jpg



Concrete rubble on WS slope possible indicator of abandoned pipe location.

LM Start	3.79	Rating **	M	Issue No.	27
LM End	3.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.673273 °	37.673273 °
				-121.260333 °	-121.260333 °
DWR ID	DWR_RD2064_01_f_2015_27				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Exterminate rodents and back fill the burrows.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	09/19/2016 09/19/2016	Herman Phillips

LM Start	4.72	Rating **	M	Issue No.	34
LM End	4.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.670161 °	37.670161 °
				-121.246973 °	-121.246973 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19063 DS_ID:20520 EP_NO: 3359 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe not found. Need to determine disposition of pipe as all other appurtances remain. FIELD_STRUCT_DESC: 1 of 2: 24-inch pipe through the levee 3.5 feet below the crown (Permit No. 3359, 1961). Pump mounted on pipe structure in the river; protective fender in the stream, wooden walkway to the pump structure. Siphon breaker on the landward side. Originally included in the 1968 O&M manual. FS Date: 8/27/2013					

LM Start	4.72	Rating **	M	Issue No.	34 (cont)
LM End	4.72	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_19063_31861.jpg



Concrete distribution box remains in center of structure on LS toe.

Photo 2 of 2 : UCIP_FA_2016_19063_31860.jpg



Pump platform, walkway, and fender remain in stream. No 24-inch pipe found.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	09/19/2016 09/19/2016	Herman Phillips

LM Start	4.72	Rating **	M	Issue No.	35
LM End	4.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.670161 °	37.670161 °
				-121.246973 °	-121.246973 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19064 DS_ID:20530 EP_NO: 3359 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe not found. Need to determine disposition of pipe as all other appurtances remain. FIELD_STRUCT_DESC: 2 of 2: 18-inch pipe through levee 3.5 feet below the crown (Permit No. 3359, 1961). Pump mounted on pipe structure in the river; protective fender in the stream, wooden walkway to the pump structure. Siphon breaker on the landward side. Originally included in the 1968 O&M manual. FS Date: 8/27/2013					

LM Start	4.72	Rating **	M	Issue No.	35 (cont)
LM End	4.72	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_19064_31863.jpg



Concrete distribution box in center of structure on LS toe.

Photo 2 of 2 : UCIP_FA_2016_19064_31862.jpg



Pump platform and fender visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

Reclamation District No. 2064 River Junction

Waterway			Bank	Unit Miles
Unit No. 02 Stanislaus River			Right	6.08
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/23/2016 - 3/23/2016		9/19/2016 - 9/19/2016	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By	Daniel deGraaf MCR Engineering		Keith Veltkamp	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	09/19/2016 09/19/2016	Herman Phillips

LM Start	0.01	Rating **	A	Issue No.	16
LM End	0.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.666982 °	37.664593 °
				-121.240855 °	-121.235892 °
DWR ID	DWR_RD2064_02_f_2016_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2016_RD2064_314_16_20161102_00027.jpg



RD 2064 Unit 2 looking downstream from levee mile 0.00 landside slope.

LM Start	0.01	Rating **	A	Issue No.	15
LM End	0.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.666982 °	37.666755 °
				-121.240855 °	-121.230263 °
DWR ID	DWR_RD2064_02_f_2016_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2016_RD2064_314_15_20161102_00028.jpg



RD2064 Looking downstream from levee 0.01 waterside slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	09/19/2016 09/19/2016	Herman Phillips

LM Start	0.33	Rating **	M	Issue No.	31
LM End	0.33	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.664752 °	37.664752 °
				-121.236512 °	-121.236512 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44653					
DS_ID:24062					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Plan of action in progress to install permanant pipe and pump by August 2015. No permit identified for large PVC irrigation pipe with inadequate cover.					
FIELD_STRUCT_DESC: 8-inch PVC irrigation pipe through the levee 0.5-feet below the crown. Portable pump on the WS berm and a filter plant on the LS toe. Vent at filter plant on LS toe.					
FS Date: 4/22/2015					

LM Start	0.33	Rating **	M	Issue No.	31 (cont)
LM End	0.33	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_44653_37715.jpg



Pipe, vent, and filter plant on LS shoulder and LS toe.

Photo 2 of 2 : UCIP_FA_2016_44653_37714.jpg



Pipe visible on WS shoulder/slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	09/19/2016 09/19/2016	Herman Phillips

LM Start	0.33	Rating **	M	Issue No.	32
LM End	0.33	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.664740 °	37.664740 °
				-121.236474 °	-121.236474 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50758
DS_ID:20537
EP_NO: 4462
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 11/16/2016 Crossing has been downgraded from Urgent to Non-Urgent pipe has been grouted and new pipe installed however, no permit is currently available to document work. Need to contact owner to determine permit authorizing existing pipe to be grouted and new pipe to be installed. (O. Magana - DWR UCIP)08/28/2013 Pipe failing on LS toe do to excessive rust. Pump missing from deteriorating wooden platform on LS slope. Pipe crossing being repaired at site. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: *ABANDONED* 16-inch steel irrigation pipe through the levee, 3.5 feet below the crown. 2-inch electrical conduit through levee. Slant pump is located on the waterside (WS) bank. Siphon breaker is located on the landside (LS) shoulder. Timber walkway from the levee slope to the pump motor is located on the WS. Pump, motor, and walkway have been removed as of 2016. Siphon breaker and grouted pipe still remain at this location as of 2016. (16-inch pipe authorized under Permit No. 4462, 1964 - Ball). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin River O&M Manual Unit No. 3, December 1968, (HLM 0.33), Drawing No. 7-4-1685, sheet 1685/58, station 307+57A].
FS Date: 11/16/2016

LM Start	0.33	Rating **	M	Issue No.	32 (cont)
LM End	0.33	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_50758_31892.jpg



Siphon breaker in 24-inch CMP riser on LS shoulder.

Photo 2 of 2 : UCIP_FA_2016_50758_31891.jpg



Deteriorated wooded pump platform on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	09/19/2016 09/19/2016	Herman Phillips

LM Start	0.36	Rating **	M	Issue No.	17
LM End	0.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.664593 °	37.664747 °
				-121.235892 °	-121.229915 °
DWR ID	DWR_RD2064_02_f_2016_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control the annual grasses and weeds from the landside slope.					

No Photos

LM Start	0.91	Rating **	M	Issue No.	18
LM End	1.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.666833 °	37.669035 °
				-121.230230 °	-121.229627 °
DWR ID	DWR_RD2064_02_f_2016_18				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control the annual grasses and weeds from the waterside slope.					

No Photos

LM Start	1.64	Rating **	M	Issue No.	19
LM End	2.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.671925 °	37.685022 °
				-121.221582 °	-121.220183 °
DWR ID	DWR_RD2064_02_f_2016_19				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control the annual grasses and weeds from the waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	09/19/2016 09/19/2016	Herman Phillips

LM Start	1.97	Rating **	M	Issue No.	25
LM End	1.97	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.676454 °	37.676454 °
				-121.223204 °	-121.223204 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:22095
DS_ID:24063
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: No permit identified for this crossing.
FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee at unknown depth below the crown. Pump on wooden pier at WS . Vent between 2 steel bollards on LS shoulder. Filter plant on LS toe. 1.5-inch galvanized iron electrical conduit at same location.
FS Date: 8/27/2013

LM Start	1.97	Rating **	M	Issue No.	25 (cont)
LM End	1.97	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_22095_37722.jpg



Pipe and vent visible on WS shoulder at wooden walkway.

Photo 2 of 2 : UCIP_FA_2016_22095_37721.jpg



Vent on LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	09/19/2016 09/19/2016	Herman Phillips

LM Start	2.10	Rating **	M	Issue No.	20
LM End	2.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.678277 °	37.685028 °
				-121.222963 °	-121.220183 °
DWR ID	DWR_RD2064_02_f_2016_20				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control the annual grasses and weeds from the landside slope.					

No Photos

LM Start	2.53	Rating **	M	Issue No.	24
LM End	2.53	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.684148 °	37.684148 °
				-121.223599 °	-121.223599 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19086					
DS_ID:20540					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Leak next to roadway may indicate pipe has reached life capacity-good candidate for video inspection.					
FIELD_STRUCT_DESC: 30-inch reinforced concrete box culvert through the levee 14.5-feet below the crown. Pipe reduced to 24-inch through the berm to pump house. Slide gate in 6'X7' concrete riser unit on the waterward slope. Slant pump mounted on WS berm next to 5'X9' concrete riser. 1.5-inch electrical conduit at same location. Originally included in the 1968 O&M manual.					
FS Date: 8/28/2013					

Photo 1 of 2 : UCIP_FA_2016_19086_31954.jpg



Gate valve on WS shoulder. Pump next to concrete riser in background.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	09/19/2016 09/19/2016	Herman Phillips

LM Start	2.53	Rating **	M	Issue No.	24 (cont)	
LM End	2.53	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.684148 °	37.684148 °	
				-121.223599 °	-121.223599 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:19086						
DS_ID:20540						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Leak next to roadway may indicate pipe has reached life capacity-good candidate for video inspection.						
FIELD_STRUCT_DESC: 30-inch reinforced concrete box culvert through the levee 14.5-feet below the crown. Pipe reduced to 24-inch through the berm to pump house. Slide gate in 6'X7' concrete riser unit on the waterward slope. Slant pump mounted on WS berm next to 5'X9' concrete riser. 1.5-inch electrical conduit at same location. Originally included in the 1968 O&M manual.						
FS Date: 8/28/2013						

Photo 2 of 2 : UCIP_FA_2016_19086_31953.jpg



Wet area next to roadway off LS toe may indicate a leak. Power pole and meter on LS toe.

LM Start	2.92	Rating **	M	Issue No.	21
LM End	3.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.686480 °	37.687837 °
				-121.218332 °	-121.217107 °
DWR ID	DWR_RD2064_02_f_2016_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	09/19/2016 09/19/2016	Herman Phillips

LM Start	4.19	Rating **	M	Issue No.	30
LM End	4.19	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.695198 °	37.695198 °
				-121.206414 °	-121.206414 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41075					
DS_ID:20542					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Gate missing from LS ditch.					
FIELD_STRUCT_DESC: 24-inch steel irrigation pipe through the levee					
6.0-feet below the crown. Slide gate in 36-inch corrugated metal riser					
unit on the waterward side. Pump mounted on pile structure in the river.					
Pipe discharges into cobble grouted spillway on the landward side. Flap					
gate on the landward side. Originally included in the 1968 O&M manual.					
FS Date: 8/28/2013					

LM Start	4.19	Rating **	M	Issue No.	30 (cont)
LM End	4.19	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_41075_31963.jpg



Pipe and pump visible on WS berm.

Photo 2 of 2 : UCIP_FA_2016_41075_31962.jpg



Slide gate in 36-inch CMP riser on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2064 River Junction

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	09/19/2016 09/19/2016	Herman Phillips

LM Start	4.92	Rating **	M	Issue No.	27
LM End	4.92	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.696146 °	37.696146 °
				-121.194093 °	-121.194093 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22108 DS_ID:24065 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this discharge pipe. FIELD_STRUCT_DESC: 1 of 2: 4-inch PVC discharge pipe through the 30-inch stormdrain pipe 11-feet below the crown. No permit. FS Date: 8/28/2013					

Photo 1 of 2 : UCIP_FA_2016_22108_37739.jpg



PVC pipe at right inside stormdrain on LS toe.

LM Start	4.92	Rating **	M	Issue No.	27 (cont)
LM End	4.92	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_22108_37738.jpg



PVC pipe at right inside stormdrain on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	09/19/2016 09/19/2016	Herman Phillips

LM Start	4.92	Rating **	M	Issue No.	28
LM End	4.92	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.696146 °	37.696146 °
				-121.194093 °	-121.194093 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22109					
DS_ID:24066					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No permit identified for this crossing.					
FIELD_STRUCT_DESC: 2 of 2: 4-inch PVC discharge pipe through the					
30-inch stormdrain pipe 11-feet below the crown. No permit.					
FS Date: 8/28/2013					

LM Start	4.92	Rating **	M	Issue No.	28 (cont)
LM End	4.92	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_22109_37742.jpg



PVC conduit at left on LS toe.

Photo 2 of 2 : UCIP_FA_2016_22109_37741.jpg



PVC conduit at left on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	09/19/2016 09/19/2016	Herman Phillips

LM Start	5.46	Rating **	M	Issue No.	29
LM End	5.46	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.699557 °	37.699557 °
				-121.185385 °	-121.185385 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22795 DS_ID:24067 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. No photos available. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee 0.75-feet below the crown. Butterfly valve and vent on the LS shoulder. Vent on the WS shoulder. FS Date: 8/28/2013					

No Photos

LM Start	5.54	Rating **	M	Issue No.	22
LM End	5.54	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.699848 °	37.699848 °
				-121.184135 °	-121.184135 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19145					
DS_ID:20555					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Appears abandoned and if so should be done so appropriately.					
FIELD_STRUCT_DESC: *ABANDONED* 30-inch corrugated metal irrigation pipe through the levee 10.0 feet below the crown. Slide gate in 36-inch corrugated metal riser unit on the waterward slope. Two corrugated metal cutoff walls.					
FS Date: 8/28/2013					

Photo 1 of 2 : UCIP_FA_2016_19145_32126.jpg



Slide gate in CMP riser on WS slope

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	09/19/2016 09/19/2016	Herman Phillips

LM Start	5.54	Rating **	M	Issue No.	22 (cont)	
LM End	5.54	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.699848 °	37.699848 °	
				-121.184135 °	-121.184135 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:19145						
DS_ID:20555						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Appears abandoned and if so should be done so appropriately.						
FIELD_STRUCT_DESC: *ABANDONED* 30-inch corrugated metal irrigation pipe through the levee 10.0 feet below the crown. Slide gate in 36-inch corrugated metal riser unit on the waterward slope. Two corrugated metal cutoff walls.						
FS Date: 8/28/2013						

Photo 2 of 2 : UCIP_FA_2016_19145_32125.jpg



Pipe in CMP riser on WS slope.

LM Start	5.74	Rating **	M	Issue No.	23
LM End	5.74	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.702220 °	37.702220 °
				-121.182210 °	-121.182210 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19146 DS_ID:20556 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate missing and CMP riser filled with soil. Appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 20-inch corrugated metal pipe through the levee 13.0-feet below the crown. Slide gate in corrugated metal riser unit on the waterward slope. Two corrugated metal cutoff walls. Underground irrigation system. Originally included in the 1968 O&M manual. FS Date: 8/28/2013					

Photo 1 of 1 : UCIP_FA_2016_19146_32127.jpg



CMP riser for slide gate filled with soil.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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